(7/1/93)

Form No. 70-182

#### PUGET SOUND AIR POLLUTION CONTROL AGENCY

110 Union Street, Suite 500, Seattle, Washington, 98101-2038 Fax 206-343-7522

Registration No. 11339	Case No.
COMPLIANCE STA	ATUS REPORT
Date of Report Jan 10	, 19 <u>9 7</u> atm.
Source Name	Responsible Person, Title
Ash Grove Cement Co.	Henrick Voldback Manager
Location	
3801 E. Marginal Way So.	Seatle, 98134
☐ No violations of PSAPCA's regulations were obtained to the areas of the facility I inspected.	served at the time of my inspection, with
During my inspection I noted the following defici	
During our review	noted that on 10/13
CEM report we	noted that on 10/13
and 10/14 less th	an 90% valid hours
were reported for a	each day
Reg. I Section 12.	03(4)(4)
•	
~	
Please submit a written report within ten	(10) working days describing the necessary
	to take, including a schedule, to address the
11/2/1/2	
Issued by	Received by  Signing this is not an admission of guilt

AGCS2M000674

"WESTERN REGION"

January 27, 1997

Ms. Elizabeth Gilpin Puget Sound Air Pollution Control Agency 110 Union Street, Suite 500 Seattle, WA. 98101-2038

Re: Compliance Status Report January 13, 1997

Dear Ms. Gilpin:

You requested additional information in regards to the above CSR's.

CEM report for October 1996:

The CEM reported data for October 13 and 14 did not contain less than 90% valid hours. The October report submitted reflects the following:

For October 13, 1996, the report shows that the emission monitors operated at 100% or 23 of the 23 hours of kiln operation.

For October 14, 1996, the report shows that the emission monitors operated at 96% or 23 of the 24 hours of kiln operation. The October 1996 addendum to CEM explains that the monitors were down from 11:30 a.m. to 12:15 p.m. for calibration and general maintenance.

CEM report for November 1996:

The November 1996 CEM report does show on November 18, 1996 emission monitors operated at 80% or 19 of the 24 hours of kiln operation. The November 1996 addendum to CEM explains that the monitors were down from 08:45 a.m. to 2:00 p.m. for maintenance on the SO2 analyzer. This action was necessary in order to correct a drift fault experienced by the analyzer. Please note that up to this time only a basic level maintenance was necessary to keep the SO2 analyzer operational but on November 18, a specialist level maintenance was required to remedy the problem.

This incident did not violate any PSAPCA rule. Regulation I section 12.03(h) specifies how much monitor down time invalidates the data, but Regulation I does not currently impose any minimum data recovery requirement for CEM operators. The draft article 12 amendments currently under development by PSAPCA would impose such a requirement. Even under the draft rule, down time due to CEM maintenance would not be a violation.

I hope this response provides the information you require.

Sincerely yours,

Gerald J. Brøwn

Manager, Safety and Environment

cc: Henrik Voldbaek Nate Fernow

110 Union Street, Suite 500, Seattle, Washington, 98101-2038 Fax 206-343-7522

rax 200-54	43-7322
Registration No. 13º	Case No.
COMPLIANCE ST	TATUS REPORT
Date of Report	, 19 <u>97</u> atm.
Ash Grove Cement Co.	Responsible Person, Title  Henrick Voldback Manag
Boy I E. Margina W  ■ No violations of PSAPCA's regulations were	/Ay 50. Seattle, WA 98134  observed at the time of my inspection, with
respect to the areas of the facility I inspected.	observed at the time of my market many many
During my inspection I noted the following do	
Reg. I 12.04 (	(h)
November 18th CE	m data contained
less than 90% Vali	m data contained d flours when the kiln
was operating.	
	•
	•
Please submit a written report within te	en (10) working days describing the necessary
corrective action you have taken or proposition above deficiencies.	ose to take, including a schedule, to address the
above deficiences.	

Form No. 70-182

(7/1/93)

AGCS2M000677

Signing this is not an admission of guilt

Received by

110 Union Street, Suite 500, Seattle, Washington, 98101-2038 Fax 206-343-7522

JUL 9 1996

AGCS2M000678

Registration No. 11339

Form No. 70-182

(7/1/93)

Case No. \_\_\_\_AGCW-SEATTLE

### **COMPLIANCE STATUS REPORT**

Date of Report 7-8	,19 <u>96</u>	atn	n.
Ash Gove Cement Co.	Responsible Person, Title Henrik Voldk	nek, Plant	Mg
Seattle, WA 98,34		-5596	
No violations of PSAPCA's regulations were of respect to the areas of the facility I inspected.		spection, with	
During my inspection I noted the following def ONELD to define per shuldown of the Setermine whether on Condition 7 app ONELD to include to which emission a (RegI Section 12.	riods of sta kiln so Azen n N/C 5 730 slies line penods tandards a	condito	- ion 6
			- - -
Please submit a written report within ten corrective action you have taken or propos above deficiencies.  Issued by	e to take, including a sched	<del>lule;</del> to address t	the
201. [/	Received by	dmission of guilt	

"WESTERN R

Post-it <sup>™</sup> Fax Note	7671	Date 3/2 / 9 # of pages ► /
To Elizabeth Co./Deptp AP	Gilpin	From 6 J Brown
Co./Dept PSAR	A	co. 46C
Phone #		Phone #
Fax #		Fax #
Sem	he 46.16	

March 21, 1996

Ms.Elizabeth Gilpin Puget Sound Air Pollution Control Agency 110 Union Street, Suite 500 Seattle, WA. 98101-2038

Re: Compliance Status Report - March 20, 1996

Dear Ms. Gilpin:

The operation of PF Bin dust collector #463.110 was inspected on this date and determined to be operating normally. The air pressure for the pulse cleaning cycle, however, was found to be higher than necessary and this caused an over cleaning of the bags in the dust collector. This air pressure has been adjusted and I could not detect any visible emissions.

Sincerely,

Manager, Safety and Environment

cc: HV

NF

BM

110 Union Street, Suite 500, Seattle, Washington, 98101-2038 Fax 206-343-7522

Registration No.	330	i i
=	 	

Case No.

## **COMPLIANCE STATUS REPORT**

Date of Report March 20 +	19 <u>96</u> at <u>5:00 p</u> m.
Source Name	Responsible Person, Title
Ash Grove Cement Co.	Gerry Brown
Location	
3801 E. Marginal Way	So. Seattle 98134
No violations of PSAPCA's regulations were obrespect to the areas of the facility I inspected.	bserved at the time of my inspection, with
During my inspection I noted the following def	iciencies:
Reg. I Sec 9.20 M.	aintenance of equipment
Bazhouse equipment	(# 463,110)
Visible emissions of	
pulse cycle,	bangaouse avering the
Determine cause of and correct situation	VE from Bay House
	(10) working days describing the necessary e to take, including a schedule, to address the
Issued by	Received by  Signing this is not an admission of guilt

Form No. 70-182

(7/1/93)

AGCS2M000680



"WESTERN REGION"

July 16, 1996

Mr. Fred Austin, Puget Sound Air Pollution Control Agency 110 Union Street, Suite 500 Seattle, WA. 98101-2038

Re: Compliance Status Report July 8, 1996

Dear Mr. Austin:

In the above CSR, PSAPCA requested 1) additional information defining periods of start up and shutdown of the kiln and 2) time periods during which emission standards are exceeded for the May 1996 CEM report.

- 1) With the exception of the May 26, 1996 opacity event which resulted from a broken bag in the main baghouse, all other exceedances reported occurred during kiln start up.
- 2) The time periods during which emission standards are exceeded have been identified in the addendum to the May 1996 CEM report.

I hope that this response provides you with the information you require.

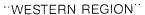
Yours truly,

Gerald J. Brown

Manager Safety and Environment

Copy: Henrik Voldback

Nate Fernow Doug Hale



#### **FACSIMILE COVER SHEET**

DATE:

4/30/97

To:

Elizabeth Gilpin

CC:

Fred Austin

COMPANY: Puget Sound Air Polution Control Agency

FAX:

(206) 343-7522

FROM:

Trygve Grey

PHONE:

(206) 623-5596 x202

FAX:

(206) 623-5355

TOTAL NUMBER OF PAGES: Two (2)

SUBJECT:

4/25/97 Site visit

In response to the deficiencies noted on your visit of 4/25/97, the following is a printout from our work order system showing the bag house for cement bulk loading out of our Group II silos was rebagged Sunday, 4/27/97. No dusting has been noticed since.

Trygve Grey

Process Engineer

DI ANT OFFICE: (206) 623-5596

WORK ORDERS COMPLETED Page 1 WOPWOACT Ash Grove Cement - Seattle All Crafts Prepared: 4/30/97 12:22 4/27/97 To 4/27/97 Submitted Act By Date Completed Hours Hours Type Pri St Equipment Description Craft: PM DUST CONTROL SP RE 3 C 910300 D/C GP2, RAIL\TRUCK SIDE, L JLANGL 4/28/97 4/27/97 8.00 16.00 CHANGE OUT D/C BAGS 705054 Total Hours: 8.00 16.00 Total PM DUST CONTROL SP Completed: Total Hours: 8.00 16.00 Completed: 1

Final Totals

110 Union Street, Suite 500, Seattle, Washington, 98101-2038 Fax 206-343-7522

AGCS2M000684

Registration No. 11339	Case No.
COMPLIANCE	STATUS REPORT
	, 19 <u>97 at 8:30 A</u> .m.
Source Name	Responsible Person, Title
Ash Grove Cement Co.	Tryque Grey
Location  3801 E Marginal	Way So. Seattle, WA.
No violations of PSAPCA's regulations w respect to the areas of the facility I inspect	ere observed at the time of my inspection, with ted.
We observed 5	Equipment and be maintained in good significant dust coming BagHouse Cement hulk)  And Submit corrective Agency.
	n ten (10) working days describing the necessary ropose to take, including a schedule, to address the Received by Signing this is not an admission of guilt

Form No. 70-182

(7/1/93)

110 Union Street, Suite 500, Seattle, Washington, 98101-2038

Fax 206-343-7522

Registration No.	339
------------------	-----

Case No.

COMPLIANCE	~-	
COMPLIANCE	STATUS	REPORT
d = 10		-cri OIII

Date of Report 2-12  Source Name 19 97 at 4 p.m  Ash Grove Coment Ca General Brown, Env.  3801 E. Marginal Wys  Seattle, wh  78/34	×
Source Name  19 97 at 4 p.m.  Responsible Person, Title	i.
Ash Grove Court Responsible Person, Title	
HSh Grove ( Responsible Person, Title	
Location  Location  Book (ament Ca Gerald Brown, Env.	
Location Serald Brown, Env. 3801 E. Marginal U.S.	
3801 E. Marginal UNS	11
Sitt wagnal Uns	D
I catile was	
78/3/	
No violation	
respect to the	
areas of the facility I inspect t	
No violations of PSAPCA's regulations were observed at the time of my inspection, with  During my inspect	
Justication T	
During my inspection I noted the following deficiencies:	
10 att emporar	
Description of the following deficiencies:  Near cooler and while standing just  month of clay pile	
move I a while of	1
clan nil, manung just	
1700	
Please submit a written report within ten (10) working days described above deficient in the days described	
corrective action you have taken or pro-	-

Please submit a written report within ten (10) working days describing the necessary corrective action you have taken or propose to take, including a schedule, to address the above deficiencies.

Issued by

Received by Signing this is not an admissi-

AGCS2M000685

"WESTERN REGION"

February 21, 1997

Ms. Melissa McAfee
Puget Sound Air Pollution Control Agency
110 Union Street, Suite 500 Seattle, WA. 98101-2038

Re: Compliance Status Report - February 12, 1997

Dear Ms. McAfee:

In response to the above, the area has been under observation to determine the source of particulate noted on February 12, 1997. We cannot definitively locate the source since no signs of emissions are visible. It is belief that material on the roof of the pan conveyer enclosure may have been caught by the swirling wind and this is what you felt. This area is in the process of being cleaned.

Should the problem reoccur, we will continue our efforts to determine a source.

Sincerely

Gerald J. Brown

Manager, Safety and Environment

cc: HV

NF

110 Union Street, Suite 500, Seattle, Washington 98101-2038

Fax: 206-343-7522

Registration No. 11339 Elizabeth Gilpin Case No
---

COMPLIANCE STATUS REPORT			
Date of Report	, 19 <u>97</u> at <u>1045a</u> .m.		
Source Name	Responsible Person, Title		
Ash Grove	Gerald Brown, Env. Map.		
Location 3801 E. Marginal Wy S. 623-5596 Seattle, WA 98734			
No violations of PSAPCA's regulations were observed at the time of my inspection, with respect to the areas of the facility I inspected.			
Fuel Monitorius Plan A(c).	Lin (tire fuel not recorded)  5755 Conditions 6 and method of compliance		
(2) Clean up dust accumulations at base of main kiln baghouse (Reg I Section 9.15 (a) + (c))  (3) Objecte written QC program for CEMS to ensure compliance with Reg T Article 12.03 (e) + (f)  and 40 CFR Part 60 Appendix F  (4) Submit calibration records for measuring devices for continuous determination of weight of all fuels entering			
Kiln on NC 5755 Cond method of compliance 6/4 Please submit a written report within ten	6 + 5 and Fuel Monitoring Plan		

PSAPCA Form No. 70-182 (7/1/93) jrs

"WESTERN REGION"

September 17, 1997

Ms. Melissa McAfee Puget Sound Air Pollution Control Agency 110 Union Street, Suite 500 Seattle, WA. 98101-2038

Re: Q/C program written revision

Dear Ms. McAfee:

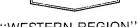
In August, it was anticipated that the process to update the written Q/C program would be complete on September 12., Unfortunately, we have been unable to accomplish this task by this date and now expect the process will finished on or about October 17, 1997.

Very truly yours,

Gerald J. Brown

Manager, Safety and Environment

cc: HV CA



"WESTERN REGION"

August 11, 1997

Ms. Melissa McAfee
Puget Sound Air Pollution Control Agency
110 Union Street, Suite 500 Seattle, WA. 98101-2038

Re: Compliance Status Report - July 30, 1997

Dear Ms. McAfee:

Item #1

In regards to N/C 5755 condition 5 and 6, the daily average weight of tire fuel is recorded by the SDR system. Data on gas, coal and tire fuel usage is generated daily. Although this data is available and can be obtained, we are modifying records to reflect this in a simpler format. Attached is and example of the revised format

Item #2 Accumulation of feed material at base of main baghouse has been removed.

Item #3 The written Q/C program is currently being revised. We anticipate this process will require until September 12 to complete.

Item #4 Calibration records for measuring devices for weight determination of kiln fuels.

Coal: On June 10, 1997 Each Pfister feeder was emptied and inspected. A zero curve correction was performed followed by a function test weight in accordance with Pfister technical instructions. Both units were within 1% on the zero. During the function test with the test weight the kiln pfister was approximately 2.5% light and was adjusted. The calciner Pfister was approximately 2% light and was adjusted.

Tires: Weightech Corp. has been contracted to verify weigh belt calibration. This service is provided approximately every 3 months. Attached are calibration records for April and July.

Natural Gas: Invoice records provided by the gas supplier are used to verify the plant's system for measuring fuel usage.

Sincerely,

Gefald J. Brown

Manager, Safety and Environment

cc: HV

```
ENEIGH SCALE LB/HR....
                                                                       .....NATURAL GAS TON/HR
  MEER TIRES BEING BRNED....
                                                                             .....TOTAL FUEL IN TPH
 RILN CLINKER BELT SCALE.....
FLOW RATE KILN PF. FEED 2. Coal
FLOW RATE CALC. PF. FEED J. TPA
WEIGHFEEDER .....
WEIGHFEEDER ..
                     4e3210.Fil 471 150.Fii
                                               4559/5.511
                                                           TIREBURMPULS FOTFUEL-TEM
        481910 FI1
                            465140.FII TIRECOCHTER
                                                                    SAS-TPH
                                                       455.075
  Him
                                                                             t/n
                  0/6
                               1/0
                                      t/n
                                                        Hour
                                                                      t/h
            L/D
                         5/1
                                    96.7
                                          3084 2904.7
                                                             34.59
                                                                      0.1 10.61 12.45
  7:00
                 4.5
                       1.52
                              7.7
  8:00
                       1.52
                              7.4
                                    89.2
                                           155 3018.7
                                                              1.49
                                                                      0.1 10.50 14.18
           4.9
                 4.5
                                           284 1871.7
                                                              2.99
                                                                      0.1 10.57 14.58
  9:00
                 4.3
                       1.52
                              7.4
                                    80.5
           5.0
                                           422 2986.7
 10:00
           5.5
                 4.9
                       3.40
                              5.9
                                    80.3
                                                             4.57
                                                                     0.1 10.62 11.12
                                           570 5212.8
                                                                      0.1 10.71 11.67
 11:00
           5.5
                 4.9
                       3.39
                              0.0
                                    90.1
                                                              5.78
           5.5
                 4.9
                      1.52
                              7.5
                                    82.1
                                           719 3116.8
                                                             7.25
                                                                     0.1 10.55 15.75
 12:00
                                                        --
 13:00
           5.5
                 4.9
                       1.53
                              7.4
                                   74.8
                                           852 2911.7
                                                             8.61
                                                                     0.1 10.38 12.77
 14:00
           5.5
                              7.5 103 5
                                          1010 3276.7
                                                             10.10
                                                                     0.1 10.55 15.55
                 4.9
                      1.55
                                                            11.ó0
 15:00
           5.5
                                   48.8
                                          1165 2915.7
                                                                     V.1 10.34 15.67
                 4 9
                      1.55
                              7.1
 16:00
           5.5
                 4.7
                      1.55
                              7.1
                                    87.1
                                          1315 2769.7
                                                             15.10
                                                                     6.1
                                                                          9.95 12.84
                                          1462 2592.6
                                                                          9,95 12,70
 17:00
           5.5
                              7.1
                                    70.4
                                                            14 59
                                                                      ù.1
                 4.9
                      1.53
 18:00
           5.5
                 4.9
                      1.55
                              7.1
                                    57.7
                                          1612
                                                  0.0
                                                            15.86
                                                                     0.1
                                                                          8.69
                                    95.7
                                                            17.34
                                                                      0.1 10.26 14.59
           5.5
                              7.1
                                          1771 5007.7
 19:00
                 4.8
                      1.61
 29:00
           5.0
                 4.8
                      1.49
                              7.1
                                    76.0
                                          1728 5276.7
                                                             18.84
                                                                     0.1 10.42 16.66
                                          2077 3257.3
 21:00
           5.1
                       1.61
                              7.2
                                   77.5
                                                             20.34
                                                                     0.1 10.62 16.52
                 4.7
                                          2255 2369.6
                                                             21.85
                                                                     0.1 10.29 15.45
 22:00
                              7.1
                                   151.0
           5.0
                 4.0
                      1.61
                              6.5
                                          2396 2662.7
 23:00
           5.0
                 4.6
                      1.73
                                   78.1
                                                             23.32
                                                                     0.1
                                                                          9.87 15.57
                                          2548 2976.7
  0:00
           5.0
                 4.5
                      1.75
                              7.0
                                   74.2
                                                             24.82
                                                                     0.1 10.15 12.96
           5.2
                                   96.4
                                          2708 5276.7
                                                             26.25
                                                                     0.1 10.58 16.68
  1:00
                 4.5
                      1.73
                              7.0
                                          2870 5201.8
                                                             27.71
                                                                     0.1 10.56 15.92
  2:00
           5.2
                      1.75
                              7.1
                                    78.7
                                                       --
                 4.6
                                                       --
  3:00
                                   97.5
                                          5008 5275.7
                                                             29.02
                                                                     0.1 11.52 18.53
           6.2
                 0.0
                      1.73
                              7.6
                                   82.2
                                          3156 2758.7
                                                             30,52
  4:00
           6.2
                 0.0
                      1.75
                              7.2
                                                                     0.1 10.46 13.17
  5:00
                              7.4 105.3
                                                             31.99
                                                                     0.1 10.90 15.58
           5.5
                 5.2
                      1.73
                                          3314 5153.8
  6:00
          5.5
                              7.5 159.6
                                          3468 2728.7
                                                             53,55
                                                                     0.1 10.57 13.86
                 5.2
                      1.75
                      1.73
  7:00
                                    66.8
                                          3646 2978.7
                                                             34.74
                                                                     0.1 10.12 12.24
  11 Aug
          97
               7.00 - 11 Aug 97
                                   7.01
 Max
          5.4
                              7.1
                                    70.7
                                          3530 3501.9
                                                             34.74
                                                                     0.1 10.33 16.47
                 5.0
                       1.73
 Min
           5.4
                 5.6
                       1.75
                              7.1
                                    55.4
                                          5647 2231.6
                                                             0.01
                                                                     0.1 10.02 11.59
 Mean
           5.4
                 5.0
                       1.73
                              7.1
                                    63.1
                                          3648 2825.4 0.01
                                                            4.30
                                                                     0.1 19.29 15.71
                                            81 63.5 5756.
          0.1
                       0.04
                              0.2
                                                              0.10
                                                                     0.0 0.23
 Acem
                 Û.Î
                                    1,4
               7.00 - 11 Aug
  10 Aug
          97
                             97
                                   7.00
 Max
          6.3
                              7.7
                                          3646 7014.7
                                                             34.74
                                                                     0.1 12.54
                 6.1
                       3.41
                                   150.7
                                                                     0.1 8.20
 Min
          4.7
                              5.6
                                     0.6
                                             1
                                                  0.0
                 0.0
                      1.44
                                                                                           Tires
                                                                     0.1 10.42 13.77
 Mean
          5.3
                 4.4
                     1.81
                              7.1
                                   82.8
                                          1798 2890.9 24.00
                                                           17.44
 Accm
         128.2 105.7 4944 169.7 1987.6 43149 69362. 5756. 418.41
                                                                     2.3 250.10
                                                                      Tens
                    213.11
                                                                      Gas
```



#### WEIGHTECH CORP.

25837 Dockton Road S.W. Vashon, WA. 98070 Phone: (206) 463-9535 Fax: (206) 463-5873

#### GENERAL REPORT

Customer Address: Ashgrove Cement Co.

Seattle, Wa.

Phone #

206 623-5596 X214

Contact:

Mr. Bob Minister

Purchase Order

79601457

Plant Site:

Same

Date:

July 2, 1997

Distribution

Same

Note condition of conveyor belt, material adhering to belt or pulleys, water or foreign substance any features of conveyor design, drive, take-up, structure, uniformity of weight or general conditions around conveyor, loading, weighing or feed location or others unmentioned that will be detrimental to accurate weighing.

#### MILLTRONICS MMI-100-COMP III-118HF

The unit was visually inspected. The Compu III integrator, speed sensor, load cells, suspension, idler alignment, and tail pulley assembly appeared to be good order.

The Compu III integrator parameters were verified. The conveyor belt was started and limbered. The actual belt length and speed was determined. The tare test were conducted. The span test were conducted using the test weights. The analog output was not calibrated. The calibration results are attached.

Reported By

ൣൣൟൔ൞൷ഩ൏ഺൟഩ൝ൟ൏൝ൟ൏൝ൟഩൟ഻ൟഺൟഩ൞ൟ൹൞ൟഩ൞ൟ൏൞ൟ൏൞ൟ൏൞ൟ൏൞ൟ൏൞ൟ

## MEIGHTELH

## SERVICE CERTIFICATE

This is to certify that on the Liday of month	day of July,	1997,
machine(s) Lum/III 11841Fwe	re calibrated usin	g TEST WIS

and did meet and/or exceed the accuracy specification.

Weightech further certifies that the above mentioned units were found to be in good operating condition and are being satisfactorily maintained.

John Vangolen — Service Mgr.

SUBMONE SUBMON

## IIIE E HIELH

## SERVICE CERTIFICATE

This is to certify that on the state day of Mark, 1997, (year)

Middle Machine (s) Mid-18/15 were calibrated using Test Welle 1757 (machine serial numbers)

and did meet and/or exceed the accuracy specification.

Weightech further certifies that the above mentioned units were found to be in good operating condition and are being satisfactorily maintained.

John Vangolen — Service Mgr

AGCS2M000692

#### PFISTER FEEDER CALIBRATION

On 10 June 1997 each Pfister feeder was emptied and inspected.

A zero curve correction was performed followed by a function test with a test weight in accordance with Pfister technical instructions.

Both units were within 1% on the zero.

During the function test with the test weight the Kiln Pfister was approximately 2.5% light and was adjusted.

The Calciner Pfister was approximately 2% light and was adjusted.

	ASH G	ROVE	CEME	17-1	WESTERN	REG	ION	ć		CHE	VIICAL ANAL	1			
		_	SEATT	LE F	LANT	1"		00000000000000000000000000000000000000	7/31/97	Raw Mix Clinker					
T		VED / PRODUCED USED / SHIPPED MONTH YEAR DAY MONTH YEAR INVENT						INVENTORY	SiO2						
LAW MATERIALS LIMESTONE PACIFIC COAST CLAY CASTLE ROCK CLAY SUPERIOR SILICA IRON ORE	DAY	83,240 4,503 4,382 7,510 1,727	496,916 38,190 26,688 42,912 14,734		75, 5, 4, 7	,677 ,297 ,029 ,505 ,032	485,688 37,949 26,158 42,999 14,298		34,526 464 751 319 756	AI2O3 Fe2O3 CaO MgO SO3 LOI Na2O					
SILICA SALES					5	,072	9,522			K2O TOTAL					
KILN FEED TYPE I TYPE II TOTAL		91,231	588,047		90	,011	582,627	YTD	9,741	FREE CaO TOTAL ALK.					
FUELS (NET) GAS (mmBTU) COAL (mmBTU) TDF (mmBTU) TOTAL (mmBTU)				MTD 3% 84% 13%	129	3,968 9,835 9,898 3,702 2.60	65,592 890,199 130,026 1,085,817 2.83	6% 82% 12%	2,231	C3S C2S C3A C4AF		Addition			
mmBTU/Ton CLINKER PRODUCTION		59,218	384,101		50	9,453	381,795 19,067		27,305	CEMENT 7/31/97 TYPE: SiO2	Mill #1	#2			
SHIPMENTS ADDITIVES GYPSUM GRINDING AID (Lbs) FLY ASH		77 43,120 216 364	18,383 222,920 1,846 2,080			2,488 7,774 203 409	20,014 216,360 1767 2,102		3,867 29,700 150 38	AI2O3 Fe2O3 CaO MgO SO3					
HYDRATED LIME  CEMENT  BULK  TYPE I-S  TYPE III  MASONRY - S  OIL WELL-S  TYPE III-INK  MASONRY-INK  OIL WELL-MT		59,862 0 2,079	377,008 0 24,801		5	4,218 6,057 2,983	304,565 85,801 25,874		21,712 0 10,692 0 0 0 0	LOI Na20 K20 TOTAL INSOL FREE CaC TOTAL ALI C3S C2S C3A C4AF	1				
TOTAL PRODUCED TOTAL RECEIVED		61,941	401,809	)		73,258	416,240			NC VICAT - I VICAT - I BLAINE 45 uM 30 uM FALSE SE PACK SE REFLEC	π Τ				
GRAND TOTAL SACKS TYPE II TYPE III MASONRY TOTAL		61,941	401,80	9		73,258	416,24	0	32,403	DAYS SIN	CE L .L.T. I.				
										11					
COMPARTY DATA	DAY	RUN TIME		₹		UCTION MONTH	RATE YEAI	R	REASON FOR DOWNTIME	₹ 					
EQUIPMENT DATA  RAW MIL  KIL  #1 FINISH MIL  #2 FINISH MIL	T.	486. 631. 503. 699.	8 3256 7 4060 7 3789	8 9 .7		187.4 93.7 50.6 52.1	180 94 51 50	.6 .2			11	<sub>1,1</sub> 11000			

56 A 1 1990 V

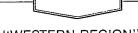
Plant Repo	ort 1	 6	COAL US									 N 		5 Au	g 97 -	6 Aug 97	
	3 GE 2																-1010
TIRE WEIGH	SCALE.							51	(1111)					II	KE SCAI	E PULSE 1	-10FR/#
TIRE WEIGH	SCALE	LB/HR.		7777				• 91	1	* * * * * *							
NUMBER TIRI	ES BEIN	IG BRNEI	0,,				•	•		•	, , , , ,						
KILN CLINK	ER BELT	SCALE				•	•	•		•							
FLOW RATE   FLOW RATE   WEIGHFEEDE	KILN PF	. FEED	(COAL	• •				•	•	•	•	•					
FLOW RATE	CALC. F	't.fttu	J. + P	H		•	•	•	•	•	•	•					
			• , ,	17	1	'	Tim	50/1	<b>.</b>				í				
WEIGHFEEDE	к.,	•	ž.	•		•	1	-3 (1	BS/HR)				•			t	
	•	,									1	ī		1	1		
46	1020.FI 40	II 4 61120.F	63210.FI1 I1 46	47 3140.F	1.150.F	I1 Recoun	465075.F TER	FI1 T 465.07	IREBURNPUL 5	.5							
H÷M	t/h	t/h	t/h	t/h	t/h			Hour									
7:ÚÚ	6.7	6.9	3,43	9.7	87.6	73B	0.0		7.34								
8:00	6.0	6.5	3.45	9.8	71.7	0	0.0		0.00								
9:00	6.0	6.5	3.45	9.4	60.1	Û	0.0		0.00								
10:00	5.9	6.5	2.04	9.5	55.4		2904.7		0.79								
11:00	6.0	6.3	3.55	9.4	93.0	202	0.0		1.99								
12:00	5.9	6.3	2.07	9.3	28.0		2851.7		3.21								
15:00	5.9	6.3	1.97	9.2-	85.1		2889.7		4.71								
14:00	5.7	6.1	1.98	9.2	67.9		2922.7		6.21								
15:00	5.5	5.6	2.02	9.0	53.7		2999.7		7.08 8.37								
16:00	5.5	5.5	2.02	9.1	123.5		2988.7		9.87								
17:00	5.5	5.5	1.80	9.2	88.2		3276.7 3230.8		11.37								
18:00	5.3	5.3	1.84	9.3 9.1	72.4 85.0		2721.7		12.87								
19:00	5.5	5.3 4.8	1.75 1.75	9.2	79.0		3276.7		14.32								
20:00 21:00	4.7 4.7	4.8	1.75	9.0	111.4		2476.6		15.83								
22:00	4.7	4.8	1.78	8.6	74.9		2227.5		17.32								
23:00	4.7	4.8	1.78	8.4	69.4		3270.8		18.81								
0:00	4.7	4.8		8.5	55.5	2083	2831.7		20.31								
1:00	4.8	4.8	1.64	8.5	84.5	2250	3276.7		21.91								
2:00	4.7	4.8	1.64	8.8	66.7		3131.8		23.31								
5:00	4.7	4.8	1.55	8.7	134.3		2032.5	<u>-</u>	24.80								
4:00	0.0	6.2	1.58	8.8	71.3		3276.7		26.09								
5:00	0.0	6.3	1.58	8.8	27.1		2966.7		27.59								
6:00	5.1	6.1	1.66	8.9	80.9		3157.8		29.09								
7:00	6.0	6.1 	1.71	9.0	79.5	3184 	2659.6		30.53 								
6 Aug	97	7.00 -	- 6 Aug	97	7.01												
Max	6.0	6.1	1.71	9.0			3073.8		30.53								
Min	6.0	6.1	1.71	9.0			2375.6		0.01								
Mean	6.0	6.1	1.71	9.0			2805.0		4.37 0.09								
Acem	0.1	0.1	0.03	0.2	1.5	6.2	54.6	2047.	V.V7								
5 Aug	97	7.00	- 6 Aug	97	7.00												
Max	7.2	6.9	4.06		199.7		5417.3		30.52								
Min	0.0	4.7	0.76	6.3			0.0		0.00								
Mean	4.9	5.6			80.3	1375	2536.5	20.66	13.36								
Accm	117.5	134.7	47.94	216.5	1927.9	33004	460864.	) 5647.	320.82								
			26	4.4	4	•	Dr.	as	1								
			T. 0	f 1	4 CO4(		4 60864.	IRA	5						AG	CS2M00	0695

	ASHG	ROVE	CEMEN	11-1	VESTERN RE	GION	a.		CHE	MICAL ANA	
	70110		SEATT	LEP	LANT			7/31/97		Clinker	
	DECEIV	ED / PRODU			USED / SHIPP				TYPE		
AW MATERIALS LIMESTONE	DAY	MONTH 83,240	YEAR 496,916		DAY MONTH 75,677 5,297	YEAR 485,688 37,949		34,526 464	SiO2 Ai2O3 Fe2O3 CaO		
PACIFIC COAST CLAY CASTLE ROCK CLAY SUPERIOR SILICA IRON ORE		4,503 4,382 7,510 1,727	38,190 26,688 42,912 14,734		4,029 7,505 2,032	26,158 42,999 14,298		751 319 756	MgO SO3 LOI Na2O		
LICA SALES					5,072	9,522			K2O TOTAL		
LN FEED  TYPE I  TYPE II  TOTAL		91,231	588,047		90,011	582,627	250	9,741	FREE CaO TOTAL ALK.		
UELS (NET) GAS (mmBTU) COAL (mmBTU) TDF (mmBTU) TOTAL (mmBTU)				MTD 3% 84% 13%	3,968 129,835 19,898 153,702 2.60	65,592 890,199 130,026 1,085,817 2.83	YTD 6% 82% 12%	2,231	C3S C2S C3A C4AF		
mmBTU/Ton LINKER PRODUCTION		59,218	384,101		59,453	381,795 19,067		27,305	CEMENT 7/31/97 TYPE: SiO2	Mill #1	Mill #2
SHIPMENTS LDDITIVES GYPSUM GRINDING AID (Lbs) FLY ASH		77 43,120 216	18,383 222,920 1,846		2,488 37,774 203 409	20,014 216,360 1767 2,102		3,867 29,700 150 38	AI2O3 Fe2O3 CaO MgO SO3		
HYDRATED LIME CEMENT		364	2,080			2,102			LOI Na2O € K2O		n
BULK TYPE I-S TYPE II-S TYPE III		59,862 0 2,079	377,008 0 24,801		54,218 16,057 2,983	304,565 85,801 25,874		21,712 0 10,692 0	TOTAL INSOL FREE CaO TOTAL ALK		
MASONRY - S OIL WELL-S TYPE III-INK MASONRY-INK OIL WELL-MT	·				50 H S			0 0	C3S C2S C3A C4AF		
TOTAL PRODUCED TOTAL RECEIVED		61,941	401,809		73,258	416,240	)		NC VICAT - I VICAT - F BLAINE 45 uM 30 uM		
GRAND TOTAL		61,941	401,809		73,258	416,24	0	32,403	FALSE SE PACK SE REFLECT	Т	
SACKS TYPE II TYPE III MASONRY TOTAL									DAYS SING	CE L .L.T. I.	
									Щ		
EQUIPMENT DATA	DAY	RUN TIME MONTH			PRODUCTION DAY MONT		₹	REASON FOR DOWNTIME	R		
RAW MILI KILI	N N	486.8 631.7 503.7	4060.9	9	187. 93. 50.	7 94	6				
#1 FINISH MILI #2 FINISH MILI		699.4			52	1 50	.4				

1 56 × 6 1 1999 1

Plant Rep	ort	16	COAL US	AGE							CARME	N		5 A	ıg 97 -	6 Aug 97
																5 IA 1345
TIRE WEIGH	SCALE			 				1 1 1 1 1						T	IRE SCAL	E PULSE 1 =10L
TIRE WEIGH	SCALE	LB/HR.														
NUMBER TIR	ES BEI	NG BRNED	),,				•		•	•	* * * *	,				
KILN ELINK	ER BEL	T SCALE.	çain.			•		14	•	•						
FLOW RATE	KILN P	F. FEED.	(COAC		•	•	•	•	•	•	•					
FLOW RATE WEIGHFEEDE	CALC.	PF.FEED.	$J+\rho$	$\mathcal{H}$					•	•						
WEIGHTEEDE	:K			17	•	•	Tin	50/	BS/HR)			1	,	,		
WEIGHFEEDE	.K.,	•		٠	•		4	13 (	-BS/HRI	Ċ		•	•	,		T
	•						V			i			r		1	
46	51020.F	II 46 61120.F	63210.FI	l 47 3140.F	71.150.F	II RECOUN	465075.	FI1 T	TREBURNPUL	5						
H÷M	t/h	t/h	t/h	/140.1 t/h		n L C C C C	i i Lit	Hour								
n•()																
7:00	6.2	6.9	3.43	9.7	87.6	738	0.9		7.34							
8:00	6.0	6.5	3.45	9.8	71.7	0	Ú.0		0.00							-
9:00	6.0	6.5	3.45	9.4	60.1	0	0.0		0.00							
10:00	5.9	6.5	2.04	9.5	55.4		2904.7		0.79							
11:00	6.0	6.3	3.55	9.4	93.0 28.0	202	0.0 2851.7		1.99 3.21							
12:00	5.9 E 0	6.3	2.07	9.3 9.2-			2889.7		4.71							
15:00 14:00	5.9 5.7	6.3 6.1	1.97	9.2	67.9		2922.7		6.21							
15:00	5.7 5.5	5.6	2.02	9.0	53.7		2999.7		7.08						a- a 5	-
16:00	5.5	5.5	2.02	9.1	123.5		2988.7		8.37							
17:00	5.5	5.5	1.80	9.2	88.2		3276.7		9.87							
18:00	5.3	5.3	1.84	9.3	72.4	1161	3230.8		11.37							
19:00	5.3	5.3	1.75	9.1	85.0	1305	2721.7		12.87							
20:00	4.7	4.8	1.75	9.2	79.0		3276.7		14.32							
21:00	4.7	4.8	1.75	9.0	111.4		2476.6		15.83							
22:00	4.7	4.8	1.78	8.6	74.9		2227.5		17.32							
23:00	4.7	4.8	1.78	8.4	69.4		3270.8		18.81 20.31							
0:00	4.7	4.8	1.78	8.5	55.5		2831.7 3276.7		21.81							
1:00	4.8	4.8 4.8	1.64 1.64	8.5 8.8	84.5 66.7		3131.8		23.31							
2:00 5:00	4.7 4.7	4.8	1.55	8.7	134.3		2032.5		24.80							
4:00	0.0	6.2	1.58	8.8	71.3		3276.7		26.09							
5:00	0.0	6.3	1.58	8.8	27.1		2966.7		27.59							
6:00	5.1	6.1	1.66	8.9	80.9		3157.8		29.09							
7:00	6.0	6.1	1.71	9.0	79.5	3184	2659.6		30.53							
6 Aug	97	7.00 -	6 Aug	97	7.01											
-						7,00	7477 0		2A 57							
Max	6.0	6.1	1.71	9.0	89.2		3073.8		30.53							
Min	6.0	6.1	1.71	9.0	58.3		2375.6 2805.0		0.01 4.37							
Mean	6.0	6.1	1.71 0.03	9.0	76.2 1.5		54.6		0.09							
Acem	0.1	0.1	V. V.7	0.2	1,2	u Z	. , , , , ,	י ודעי	e i v i							
5 Aug	97	7.00 -	6 Aug	97	7.00											
Max	7.2	6.9	4.06	9.9	199.7	3184	5417.3	5 (	30.52	)						
Min	0.0	4.7	0.76	6.3	0.0	(	0.0	)	0.00							
Mean	4.9	5.6	2.00	9.0	80.3	1375	2536.5	20.66	13.36							
Acem		134.7	47.94	216.5	1927.9	33004	60864	)5647.	320.82							
			260	1.4	4		60864. For	CBS	1							
			7.0	f (	ON		7	TEA	r							
			. •		- 4			W <sub>z</sub>	٧						AG	CS2M00069

.1						iż.			#1	FINISH MILI	( VNY									
r Heurs d Operation	Gress mm#TU Gas Used	Tens Coni Burned	mmBTL	TOP	UTEnm	Tens Clinker Per Hour	mm#TU Per Ten		Tens Clinker	Tens	Total	Run	TPH	Type	Tens	Tens	Total	Phase	TPH	
; 24.00 ) 22.91 ) 22.91 ) 22.51 ) 24.00 ) 24.00 ) 5.85 ) 0.00 ) 5.39 ) 24.00 ) 19.60 ) 24.00 ) 24.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	273.98 257.11 258.03 261.72 216.60 277.33 81.39 0.00 0.00 22.11 302.30 258.18 264.95 277.05 255.47 264.36 247.75 164 255.18 255.18 255.18 255.18 255.18 255.18 255.18 255.18 255.18 255.18 255.18 255.18 255.18 255.18 255.18	5763.58 539.31 5418.53 5458.53	30.01 32.02 22.58 36.27 16.44 31.52 2.33 2.33 2.33 2.33 2.33 2.33 2.33 2	900.2 853.8 639.5 977.2 438.4 851.2 61.9 0.0 0.0 720.2	100.3 100.3 100.3 100.4 100.8 100.8 100.8 100.9 100.9 100.7 10	2.7249 2.7426 2.9014 2.8114 2.9820 0.0000 0.0000 7.7271 2.9850 3.8211 2.7995 2.5943 2.7995 2.5943 2.5964 2.5656 2.5319 2.5321 2.5321 2.5321 2.5321 2.5321 2.5321 3.6321 3.6417 3.0441	Type	1225.6 1225.6 1225.6 1225.6 1285.1 1371.3 1385.5 1109.4 1110.3 1385.5 0.0 0.0 0.0 1285.2 1385.3 1389.0 1385.3 1389.0 1385.3 1389.0 1385.3 1389.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	975100 515 515 344 553 475 48.9 48.1 47.6 48.0 51.6 34.6 51.6 34.6 51.6 34.6 51.6 34.6 51.6 34.6 47.4 48.0 51.6 34.6 47.4 48.0 51.6 51.6 51.6 51.6 51.6 51.6 51.6 51.6	1188.9 1188.9 1189.9 1707.2 0.0 0.0 0.0 1009.2 1194.5 1221.2 1211.0 1247.0 1316.3 1411.4 2.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		53.2 53.4 55.9 56.7 51.0 49.5 48.1 47.9 48.4 49.3 48.3 49.3 49.1 50.6 50.8 50.8 50.8 50.9 57.2 57.2 57.2 57.2 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50		1311.1 1182.2 270.9 873.8 1225.5 1235.1 1283.0 1390.2 1312.6 1225.5 1014.2 1224.7 1228.9 1255.7 1244.7 1255.7 1247.7 1255.7 1247.7 1255.7 1247.7 1255.7 1247.7 1255.7 1247.7 1255.7 1247.7 1255.7 1247.7 1255.7 1247.7 1255.7 1247.7 1255.7 1247.7 1255.7 1247.7 1255.7 1247	47.7 34.9 45.6 41.2 50.4 1.7 48.9 48.0	1268.7 1295.5 1329.5 1334.9 976.5 1299.2 -401.0 -405.2 0.0	24.00 2.11 2.11 2.11 2.11 2.11 2.11 2.11 2	54.5 55.5 56.9 57.1 51.7 53.7 53.7 55.5 57.8 50.2 50.3	
631.7	4361.3	6373,9	10,500	777.3	20727.5	93.7	2.60	,	24455.8	1844.7	25500,5	503.7	100	Туре	33823.1					
431.2	4301,3	4314.3	133636,43	ma	241213	****	2.00		24455.8	8.0	25500.5	8.6	50.6 0.0	Туро	8.8	1937,4	34361.8	629.8	54.6	
	10								0.0	0.0	0.0	0.6	0.0	Type	1973.6	185.4	2678.8	69.5	29.9	
								MAS	0.0	0.0	0.0	0,0	1,5	MAS Type	0,0	4.0	0.0	4.9	0.0	
				<b>第</b> /6.2	1964	1	ĺ	OW	0.0	6.6			0.0	OW	0.0	a. 0.1	451A	0.0	<b>0.0</b>	71
631,7	4369.9	6373.9	133858.8	777.3	20727.5	23.7	2.60		24455.8	1044.7	25500,5	503.7	50.6	(3	34996.7	1442.8	36442.8	693.4	52.1	
									•		1.5				26621		n.= .			
4060.9	72079.A	45216.4	917738.6	5020.3	135443.5	94.6	2.83	ĩ	183386.1	10136.4	193532.5	3764.8	51.4	72	174963.6	8512.5	183476.0	3485.3	53,8	
0.0	0.0	8.0	0.0	0.6	~	1.6	6.60		0.0	0.0	9.0	1.1	0.0		0.0	× 1.1		0.0	0.0	- 3
								W	418.3	28.3	447.8	24.9	17.9		23916.6	1336.9	24354.0	719.2	22,9	
								MAS	0.0	1.0	0.0	8,8	0.0	MAS	0,0	0,0	6.4	0.0	6.6	
4060.9	72078.4	45216,4	917739.6	5928,3	135443.5	94.6	2.83	OW	9.0 183814.4	0.0 10164.6	0,0 193979,5	9.9 3781.7	9,9 51.2	ow	197988.2	9.8 9848.4	0.0 207830.0	6.8 4124.5	9.9 59.4	



"WESTERN REGION"

August 11, 1997

Ms. Melissa McAfee Puget Sound Air Pollution Control Agency 110 Union Street, Suite 500 Seattle, WA. 98101-2038

Re: Compliance Status Report - July 30, 1997

Dear Ms. McAfee:

#### <u>Item #1</u>

In regards to N/C 5755 condition 5 and 6, the daily average weight of tire fuel is recorded by the SDR system. Data on gas, coal and tire fuel usage is generated daily. Although this data is available and can be obtained, we are modifying records to reflect this in a simpler format. Attached is and example of the revised format

Item #2 Accumulation of feed material at base of main baghouse has been removed.

Item #3 The written Q/C program is currently being revised. We anticipate this process will require until September 12 to complete.

Item #4 Calibration records for measuring devices for weight determination of kiln fuels.

Coal: On June 10, 1997 Each Pfister feeder was emptied and inspected. A zero curve correction was performed followed by a function test weight in accordance with Pfister technical instructions. Both units were within 1% on the zero. During the function test with the test weight the kiln pfister was approximately 2.5% light and was adjusted. The calciner Pfister was approximately 2% light and was adjusted.

Tires: Weightech Corp. has been contracted to verify weigh belt calibration. This service is provided approximately every 3 months. Attached are calibration records for April and July.

Natural Gas: Invoice records provided by the gas supplier are used to verify the plant's system for measuring fuel usage.

Sincerely;

Gerald J. Brown

Manager, Safety and Environment

cc: HV

				-	-										
	A Miliamore	T. Carrie					,,,,,,,,						TIS	E SCALE	PULSE 1 =10L8
	STANSE H	LE 19/66											NAT	URAL GAS	Tan/HP
E SE	ICH SCH	EING 88N	FD											AL FUEL	IN TPH
THE NUMBER !	WED D	ELT SEAL	F					,	,						FUEL AS- CAS
San	- VIIN	DE ESS	n > Co	al						,					Jus.
FLOW RAT	E LOIL	PF.FEE	571	h					•						
VEIGHFEE	UES F CHEO														
NEIGHLEE NEIGHLEE	DER								5						
AF TPULER	.02011			· ·					- 5	,				·	
			·					·		- 17			12		,
,	451910	FI1	463210.8	11 -	F1.150.	ATT 4556	1, 11	TIREBURN	26L3 T0	NFWEL-	-Tra				
		401120.		laži4).		IRECOURTER	455.		SAS-TPH		TISE-WTOC	ī			
Him	t/	C/ N	נ/ח	t/i	r t/h	I	Heu	r	t/h	t./i	4				
		· · · · · · · ·			a. a	• • • • • • • • • • • • • • • • • • • •									
7:00 0:03	4.7	4.5	1.52	7.7	96.7	3084 2904		34.59			12.45				
8:00	4.9	4.5	1.52	7.4	89.2	155 5019		1.49			14.18				
9:00	5.0	4,5	1.52	7.4	80.5	284 2871		2.99			14.58				
10:00	5.5	4.7	3.40	5.5	90.3	422 2986		4.37			11.12				
11:00	5.5	4.9	3.39	0.0	90.1	570 5212		5.78			11.67				
12:00	5.5	4,9	1.52	7.5	82.1	719 3116		7.25			13.75				
13:00	5.5	4.9	1.52	7.4	74.8	852 2911		8.61							
14:00	5.5	4.9	1.55	7.5	105.5	1010 5276		10.10			15.33				
15:00	5.5	4.9	1.55	7.1	<b>68.</b> 8	1165 2915		11.60			15.67				
15:00	5.5	4.9	1.55	7.1	87.1	1515 2769		15.10	6.1						
17:00	5.5	4.9	1.53	7.1	76.4	1462 2532		14 59	0.1		12.70				
18:00	5.5	4.9	1.55	7.1	57.7	1612 0		15.86	0.1	8.69	0.00				
19:00	5.3	4.8	1.61	7.1	951.7	1771 5007		17.34							
20:00	5.0	4.8	1.49	7.1	76.0	1728 3276		18.84		10.42	16.66				
21:00	5.1	4.7	1.61	7.2	77.5	2077, 3257,		20.34			16.52				
22:00	5.0	4.6	1.61	7.	151.0	2255 2369		21.85		10.29	15.45				
23:00	5.0	4.6	1.75	6.5	78.1	2396 2652.		23.32	0.1		15.57				
0:00	5.0	4.5	1.75	7.0	74.2	2548 2976.		24.82			12.76				
1:00	5.2	4.5	1.73	7.0	96.4	2708 5276.		26.25			16.68				
2:00	5.2	4.6	1.75	7.1	78.7	2870 5201		27.71			15.92				
3:00 	6.2	0.0	1.73		97.5	5008 5274.		29.02			18.53				
4:00	6.2	0.0	1.75	7.2	82.2	3156 2758.		30.52			15.17				
5:00	5.5	5.2	1.75		105.5	3314 5153.		31.99			15.58				
6:00 7:00	5.5	5.2	1.75		159.6	3468 2728.		33.33 34.74			15.86				
7:00	5.4	5.C	1.73	7.1	66.8	3646 2878.	7	34.74	U.I	10.12	12.24				
1														<del>-</del>	
11 Aug	97	7.00 -	11 Aug	97	7.01										
Max	5.4	5.0	1.73	7.1		3850 3501.		34.74			16.47				
Min	5.4	5.6	1.75	7.1		5647 2281.		0.01			11.59				
Mean	5.4	5.0	1.73	7.1	65.1	3643 Z825.					15.71				
Accm	9.1	0.1	0.04	0.2	1.4	81 65.	5 5756.	0.10	0.0	0.23					
10 Aug	97	7.00 -	!1 Aug	97	7.00						A				
Мах	<i>i</i> 2	1 1	2 41	7 7	120.7	3141 7014	7	34.74	) ,	12.54	17/1	D	66		
Min	6.3		3.41		150.7	3646 7014.			0.1		12000				
	4.7	0.0	1.44	5.6	0.6	1 0.		17 46		8.20	0.00 13.77	2/	Tires		
Mean Goom	5.3	4.4	1.81	7.1	82.8	1798 2890.					17.77	10			
Asom	170.7	105.7	<b>码种</b>	107./	170/.0	43149 69362		418.41	434	50.10					
		•		, ,		16/	Tires		Tens						
		c	213	-11					Gas						
		_													



#### WEIGHTECH CORP.

25837 Dockton Road S.W. Vashon, WA. 98070 Phone: (206) 463-9535 Fax: (206) 463-5873

#### GENERAL REPORT

Customer Address:

Ashgrove Cement Co.

Seattle, Wa.

Phone #

206 623-5596 X214

Contact:

Mr. Bob Minister

Purchase Order

79601457

Plant Site:

Same

Date:

July 2, 1997

Distribution

Same

Note condition of conveyor belt, material adhering to belt or pulleys, water or foreign substance any features of conveyor design, drive; take-up, structure, uniformity of weight or general conditions around conveyor, loading, weighing or feed location or others unmentioned that will be detrimental to accurate weighing.

#### MILLTRONICS MMI-100-COMP III-118HF

The unit was visually inspected. The Compu III integrator, speed sensor, load cells, suspension, idler alignment, and tail pulley assembly appeared to be good order.

The Compu III integrator parameters were verified. The conveyor belt was started and limbered. The actual belt length and speed was determined. The tare test were conducted. The span test were conducted using the test weights. The analog output was not calibrated. The calibration results are attached.

Reported By

## WEIGHTELH

## SERVICE CERTIFICATE

This is to certify the	at on	the day day	Of	(year)	
				_	

Mittelines machine(s) with 18 Mere calibrated using 1651 WTS (machine serial numbers)

and did meet and/or exceed the accuracy specification.

Weightech further certifies that the above mentioned units were found to be in good operating condition and are being satisfactorily maintained.

John Vangolen — Service Mgr.

KONDY }

## MEIGHIELH

## SERVICE CERTIFICATE

This is to certify that on the 1811 day of 1911, (day of month) day of (month of year), 1997,

Mission machine(s) Mission were calibrated using Tost W

Test Welletis (method of calibration)

and did meet and/or exceed the accuracy specification.

Weightech further certifies that the above mentioned units were found to be in good operating condition and are being satisfactorily maintained.

John Vangolen — Service Mgr.